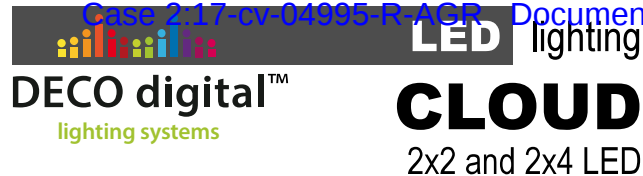


## **EXHIBIT 13**



Transforming tomorrow's lighting....today!

#### Job Information

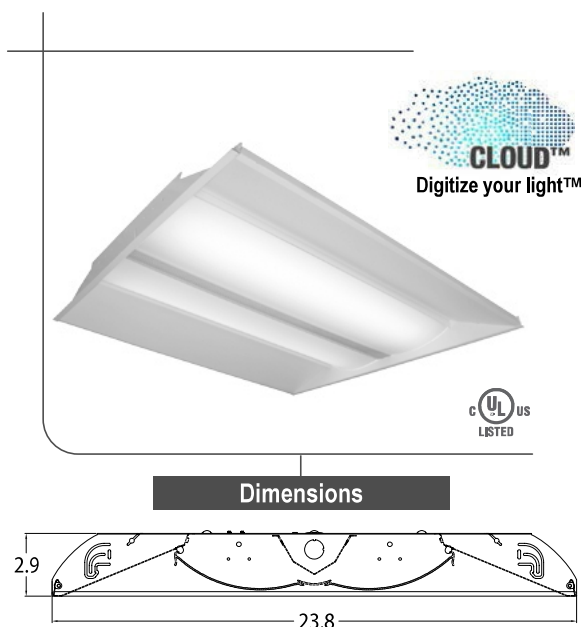
Type:

Catalog #:

Project:

Comments:

Prepared by:



#### Description

The DECO Digital LED Cloud fixture is a highly effective recessed luminaire delivering excellent visual comfort and outstanding performance for offices, schools, healthcare, and retail applications. Advanced optical designs make Cloud LED a powerful solution for low-ceiling applications and eliminate the shadows common to other LED recessed products.

#### Features

- High reflectance optical engine delivers main beam focus through the optically designed acrylic lens.
- Linear ribbed acrylic lens with Lumieo® overlay manages the balance of efficiency and aesthetics.
- Reflector distributes light through both optical elements.
- Linear arrayed LED modules provide soft, but effective illumination.
- For recessed commercial applications such as offices, hospitals, schools etc. Suitable for use in standard 15/16" inverted T-Bar grid ceilings.
- DLC listed.

#### HOUSING

- Low profile body with matte white sloped side members

#### DIRECT OPTICAL COMPONENT

- High reflectance optical engine

#### DIFFUSER SURROUND

- Linear ribbed acrylic lens with Lumieo®

#### REFLECTOR

- High reflectance white reflector

#### ORDERING INFORMATION:

Example: (CLOUD-22-35-40-UNV-DM)

CLOUD	—	—	—	—	—	—
Series	Size	Wattage/Lumens	Color Temp.	Voltage	Options	
2x2 and 2x4 LED	22 - 2x2 (Available in 35W & 45W) 24 - 2x4 (Available in 45W & 59W)	35 - 35w/3339 <sup>1</sup> 45 - 45w/4288 50 - 50w/4770 <sup>1</sup> 59 - 59w/5629 <sup>1</sup>	30 - 3000K 30 - 3500K <sup>1</sup> 40 - 4000K <sup>1</sup> 50 - 5000K	UNV - 120-277V	DM - Dimmable CSC - Control Scope Connected GTD - Bodine Generator Transfer Device	

<sup>1</sup>DLC Listed

LED Lighting  
D E C O™  
LIGHTING

**Job Information**

Type:

Catalog #:

Project:

Comments:

Prepared by:



## CLOUD w/ Daintree Networks Integrated Wireless Controller



### Advanced Wireless Lighting Control using Daintree Networks with the DECO DIGITAL CLOUD

#### Wireless lighting control enabled through:

##### **Daintree Networks Wireless Mesh Network**

Interconnected devices provide robust, self-healing, and reliable communications to and from any access point.

##### **Open Standard Zigbee™ Enabled**

Interoperable with other third-party Zigbee™ enabled wireless devices such as motion and daylight sensors and plug load devices.

##### **ControlScope User Interface**

Set, manage, and update lighting control schedules and configurations

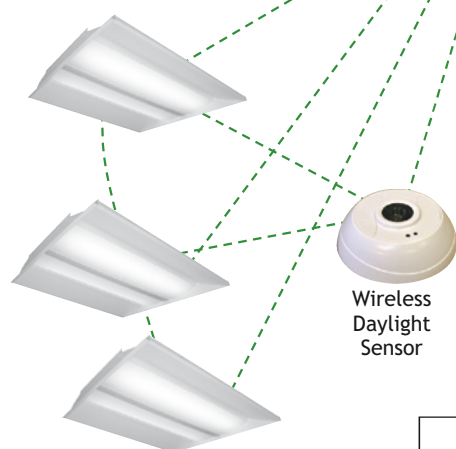


ControlScope Manager  
User Interface

#### **ControlScope Manager:**

- Field/Remotely Upgradeable
- Dashboard that summarizes control network status
- Scheduling for On/Off and dimming
- Set multiple zones or areas
- See real-time energy use and trends
- View and print reports and usage metrics
- Floor plan view for simple overlay of lighting control zones.
- Alert and alarm triggers based on system events
- Define user access and restrictions

#### Control Area 1



System  
Controller



Wireless Area  
Controller 1  
(WAC)



Wireless Area  
Controller 2  
(WAC)




Wireless  
Daylight  
Sensor

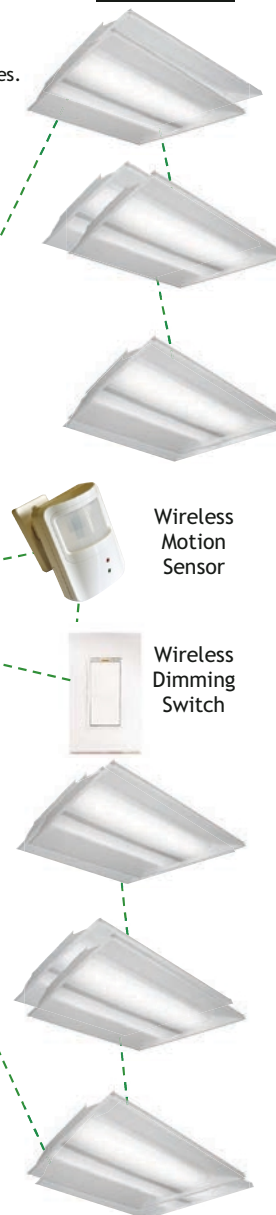
#### **Wireless Mesh Network:**

Each device communicates two-way with every other device and can relay messages for its neighbors. This translates to:

- Low Cost
- Low Complexity
- Scalability
- Reliability
- Flexibility
- Bi-directional

--- Zigbee™ wireless protocol 

#### Control Area 2



**Job Information**

Type:

Catalog #:

Project:

Comments:

Prepared by:



## CLOUD w/ Daintree Networks Integrated Wireless Controller



### Wireless Lighting Control

In commercial buildings, lighting accounts for up to 40% of total energy cost. Reducing this energy consumption has become a major goal for building owners, governments, utilities and many other stakeholders. It's no secret that replacing existing lights with more energy-efficient lighting sources (such as LED) is one of the ways to reduce this massive pool of energy use—but efficiency is only the start.

An even greater level of energy reduction comes from turning off lights when they are not needed, optimizing light levels to suit worker needs, and reducing overall demand for lighting energy. Improving system-wide control over lighting is the best way to ensure that lighting energy is automatically reduced as much as possible. Lighting Control solutions, based on a variety of technologies, have been proven to reduce lighting energy consumption in commercial and industrial buildings by up to 70%. These solutions have been limited in the past by cost, complexity and applicability, but new wireless technologies are providing ways to expand the capabilities of Lighting Control and offer them to a wider set of customers.

#### Wireless Mesh Network

Wireless mesh networks provide many benefits for lighting control. Some of the most important features of wireless mesh networking include the following:

**Low Cost:** Installation and ongoing management costs are greatly reduced without the need to run control wires from each device back to the network's central controller.

**Low Complexity:** Wireless allows users to avoid the complexity of connecting wires from hundreds (or thousands) of devices back to a single controller.

**Scalability:** Wireless mesh solutions can support more devices over greater distances per controller than wired ones, which makes wireless ideal for multi-room and multi-floor installations.

**Reliability:** Wireless mesh networks add reliability by offering multiple communication routes for any transmitted message.

**Flexibility:** Devices can be installed where they will provide maximum benefit instead of where it is easiest to run control wires. Devices are also grouped into "zones" using software rather than hard wiring.

**Bi-directional:** Bi-directional communications enables the capture and delivery of critical energy usage data.



#### Open Standard ZigBee™ Enabled

ZigBee is an open standard that was created to address the market need for a cost-effective, standards-based wireless networking solution that supports low data-rates, low-power consumption, security and reliability. This makes it ideal for a wide set of machine-to-machine and control applications such as commercial building and home automation, lighting control, energy management and telecommunication services.

The robustness of the ZigBee standard, combined with the benefits of wireless mesh networking, make ZigBee ideally suited for commercial building automation and lighting control solutions. This has made it the wireless standard of choice for today's emerging commercial lighting control solutions.

You can find out more about ZigBee from the ZigBee Alliance web site at [www.zigbee.org](http://www.zigbee.org).



#### ControlScope User Interface

Daintree Networks' **ControlScope™ Manager (CSM)** is a full-featured Lighting Management application that delivers complete control of commercial lighting functionality into the hands of facilities managers and other users. CSM is the primary user interface for Daintree-based wireless lighting control solutions that enable powerful, simple and low-cost access to energy-saving strategies such as daylighting, occupancy sensing and demand response.

Built on Daintree's ControlScope wireless platform, CSM is an easy-to-use graphical tool with advanced functionality for real-time energy management and lighting control. CSM provides Web-based access to all the system and device management, enterprise-wide and individually addressable lighting control, and energy measurement and monitoring functions needed to deliver intelligent building control.



For more information on DaintreeNetworks, please visit [www.daintree.net](http://www.daintree.net).

**Job Information**

Type:

Catalog #:

Project:

Comments:

Prepared by:

## High Performance Recessed Fluorescent 2x2 and 2x4

**PHOTOMETRY**

CLOUD

95.41 Lumens Per Watt

4288 Lumens/44.94 Watts

CRI: 83

CCT: 4000K

